## IN THE CLAIMS:

Please amend Claims 1-19, as follows.

1. (Currently Amended) An electrophotographic photosensitive drum for use in an electrophotographic image forming apparatus and supported rotatably by a drum shaft, comprising:

a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and

flanges provided on end portions of said cylinder in the axial direction of the said cylinder,

wherein at least one of said flanges the flange has an outer peripheral portion, a hole portion engaging the drum shaft, and multiple ribs extended radiantly extending radially in the radius radial direction, and

wherein said at least one of said flanges the flange is caulked by bending at least one part of the said cylinder inwardly in the radius radial direction at two positions opposing each other across the said hole portion, the two positions being other than positions on said outer peripheral portion intersected by the direction in which said multiple ribs extend at which the multiple ribs intersect the outer peripheral portion in the extending directions thereof.

2. (Currently Amended) An electrophotographic photosensitive drum according to claim 1, wherein the flange said at least one of said flanges has a concave portion provided in the said outer peripheral portion and part of the said cylinder is bent inwardly in the radius radial direction and caulked to said at least one of said flanges the cylinder.

- 3. (Currently Amended) An electrophotographic photosensitive drum according to claim 1, wherein said at least one of said flanges the flange has annular ribs provided between the said outer peripheral portion and the said hole portion.
- 4. (Currently Amended) An electrophotographic photosensitive drum according to claim 1, wherein the said electrophotographic photosensitive drum is mounted on a process cartridge attachable to/detachable from the main body of the electrophotographic image forming apparatus, and the said electrophotographic photosensitive drum is used for forming an image on a recording medium when the process cartridge is mounted on the main body of the electrophotographic electrophotographic image forming apparatus.
- 5. (Currently Amended) A process cartridge attachable to/detachable from an electrophotographic image forming apparatus, comprising:
  - (i) a cartridge frame body;
  - (ii) a drum shaft supported by the said cartridge frame body; and
- (iii) an electrophotographic photosensitive drum <u>rotatably</u> supported <del>rotatably</del> by the <u>said</u> drum shaft, including:

a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and

flanges provided on end portions of said cylinder in the axial direction of the said cylinder,

wherein at least one of said flanges the flange has an outer peripheral portion, a hole portion engaging the said drum shaft, and multiple ribs extended radiantly extending radially in the radius radial direction, and

wherein said at least one of said flanges the flange is caulked by bending at least one part of the said cylinder inwardly in the radius radial direction at two positions opposing each other across the said hole portion, the two positions being other than positions on said outer peripheral portion intersected by the direction in which said multiple ribs extend; at which the multiple ribs intersect the outer peripheral portion in the extending directions thereof; and

- (iv) process means for acting for the said electrophotographic photosensitive drum.
- 6. (Currently Amended) A process cartridge according to claim 5, wherein <u>said at least one of said flanges</u> the flange has a concave portion provided in the <u>said</u> outer peripheral portion and <u>at least one</u> part of the <u>said</u> cylinder is bent inwardly in the <u>radius</u> radial direction and caulked to the <u>said at least one of said flanges</u> cylinder.
- 7. (Currently Amended) A process cartridge according to claim 5, wherein <u>said at</u> least one of said flanges the flange has annular ribs provided between the <u>said</u> outer peripheral portion and the <u>said</u> hole portion.
- 8. (Currently Amended) An electrophotographic photosensitive drum for use in an electrophotographic image forming apparatus and <u>rotatably</u> supported <del>rotatably</del> by a drum shaft, comprising:

a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and

flanges provided on end portions of said cylinder in the axial direction of the said cylinder,

wherein at least one of said flanges the flange has an outer peripheral portion, a hole portion engaging the drum shaft, and a groove which engages a fixing pin provided in the drum shaft in a direction of intersecting the drum shaft, the

wherein said groove being extended extends in the radius radial direction and transmitting transmits a driving force of the drum shaft, and

wherein said at least one of said flanges the flange is caulked by bending at least one part of the said cylinder inwardly in the radius radial direction at two positions opposing each other across the said hole portion, in a direction in which said groove extends at which the groove intersects the outer peripheral portion in an extending direction thereof.

- 9. (Currently Amended) An electrophotographic photosensitive drum according to claim 8, wherein said at least one of said flanges the flange has a concave portion provided in the said outer peripheral portion and part of the said cylinder is bent inwardly in the radius radial direction and caulked to the said at least one of said flanges cylinder.
- 10. (Currently Amended) An electrophotographic photosensitive drum according to claim 8, wherein said at least one of said flanges the flange has a rib extended radiantly extending radially in the radius radial direction on the face of a side of said at least one of

said flanges opposite to the side of said at least one of said flanges on which the said groove is provided in the axial direction, and at least one part of the said cylinder is caulked at positions other than the positions of the outer peripheral portion intersected by a direction in which a plurality of ribs extends at which the rib intersects the outer peripheral portion in an extending direction of the rib.

- 11. (Currently Amended) An electrophotographic photosensitive drum according to claim 8, wherein the said electrophotographic photosensitive drum is mounted on a process cartridge attachable to/detachable from the main body of the electromagnetic electrophotographic image forming apparatus, and the said electrophotographic photosensitive drum is used for forming an image on a recording medium when the process cartridge is mounted on the main body of the electrophotographic image forming apparatus.
- 12. (Currently Amended) A process cartridge attachable to/detachable from an electrophotographic image forming apparatus, comprising:
  - (i) a cartridge frame body;
  - (ii) a drum shaft supported by the said cartridge frame body; and
- (iii) an electrophotographic photosensitive drum <u>rotatably</u> supported <del>rotatably</del> by the <u>said</u> drum shaft, including:
- a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and

flanges provided on end portions of said cylinder in the axial direction of the said cylinder,

wherein at least one of said flanges the flange has an outer peripheral portion, a hole portion engaging the said drum shaft, and a groove which engages a fixing pin provided in the said drum shaft in a direction of intersecting the said drum shaft,

wherein said the groove being extended extends in the radius radial direction and transmitting transmits a driving force of the said drum shaft, and

wherein said at least one of said flanges the flange is caulked by bending at least one part of the said cylinder inwardly in the radius radial direction at two positions opposing each other across the said hole portion, in a direction in which said groove extends at which the groove intersects the outer peripheral portion in an extending direction thereof; and

- (iv) process means for acting for the said electrophotographic photosensitive drum.
- 13. (Currently Amended) A process cartridge according to claim 12, wherein <u>said</u> at least one of said flanges the flange has a concave portion provided in the <u>said</u> outer peripheral portion and part of the <u>said</u> cylinder is bent inwardly in the <u>radius</u> <u>radial</u> direction and caulked to <u>said at least one of said flanges</u> the cylinder.
- 14. (Currently Amended) A process cartridge according to claim 12, wherein <u>said</u> at least one of said flanges the flange has a rib extended radiantly extending in the radius radial direction on the face of a side of said at least one of said flanges opposite to the side of said at least one of said flanges on which the <u>said</u> groove is provided in the axial

direction, and <u>at least one</u> part of the <u>said</u> cylinder is caulked at positions other than the positions <u>of the outer peripheral portion intersected by the direction in which a plurality of <u>ribs extends</u> at which the rib intersects the outer peripheral portion in an extending direction thereof.</u>

- 15. (Currently Amended) An image forming apparatus, comprising a loading portion, a process cartridge, carrying means, and transfer means, which allows a said process cartridge to be attached thereto and detached therefrom and attached/detached for forming an image on a recording medium, comprising:
- (i) a wherein said loading portion detachably mounts on which the said process cartridge is mounted detachably;
- (ii) a wherein said process cartridge is loaded on the said loading portion, the said process cartridge including:
  - a cartridge frame body; body;
- a drum shaft supported by the <u>said</u> cartridge frame <del>body</del>, <u>body</u>; and an electrophotographic photosensitive drum <u>rotatably</u> supported <del>rotatably</del> by the <u>said</u> drum shaft, the <u>said</u> electrophotographic photosensitive drum including:
- a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and

flanges provided on end portions of said cylinder in an axial direction of the said cylinder,

wherein at least one of said flanges the flange has an outer peripheral portion, a hole portion engaging the said drum shaft, and multiple ribs extended radiantly extending radially in the radius radial direction, and

wherein said at least one of said flanges the flange is caulked by bending at least one part of the said cylinder inwardly in the radius radial direction at two positions opposing each other across the said hole portion, the two positions being other than positions on said outer peripheral portion intersected by the direction in which said multiple ribs extend at which the multiple ribs intersect the outer peripheral portion in the extending directions thereof; and

- (iii) carrying means for carrying the recording medium; and
- (iv) wherein said transfer means transfers an image formed on said electrophotographic photosensitive drum onto the recording medium.
- 16. (Currently Amended) An image forming apparatus, comprising a loading portion, a process cartridge, carrying means, and transfer means, which allows a said process cartridge to be attached thereto and detached therefrom attached/detached and which is for forming an image on a recording medium, comprising:
- (i) a wherein said loading portion detachably loads on which the said process cartridge is loaded detachably;
- (ii) a wherein said process cartridge is loaded on the said loading portion, the said process cartridge including:
  - a cartridge frame body, body;
  - a drum shaft supported by the said cartridge frame body and body; and

an electrophotographic photosensitive drum <u>rotatably</u> supported <del>rotatably</del> by the <u>said</u> drum shaft, the <u>said</u> electrophotographic photosensitive drum including:

a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and

a flange provided on end portions of said cylinder in the axial direction of the said cylinder,

wherein the <u>said</u> flange has an outer peripheral portion engaging the <u>said</u> cylinder, a hole portion engaging the <u>said</u> drum shaft, and a groove which engages a fixing pin provided in the <u>said</u> drum shaft in a direction of intersecting the <u>said</u> drum shaft,

wherein said the groove being extended extends in the radius radial direction and transmitting transmits a driving force of the said drum shaft, and

wherein said the flange is caulked by bending at least one part of the said cylinder inwardly in the radius radial direction at two positions opposing each other across the said hole portion, in a direction in which said groove extends; at which the groove intersects the outer peripheral portion in an extending direction thereof; and

- (iii) wherein carrying means for carrying the recording medium; and
- (iv) wherein said transfer means transfers an image formed on said electrophotographic photosensitive drum onto the recording medium.
- 17. (Currently Amended) An electrophotographic photosensitive drum for use in an electrophotographic image forming apparatus and <u>rotatably</u> supported <del>rotatably</del> by a drum shaft, comprising:

a cylinder having an electrophotographic photosensitive member provided on a surface thereof; and

a flange provided on an end portion of said cylinder in an axial direction of the said cylinder, wherein the said flange comprises:

an outer peripheral portion;

a hole portion engaging the said drum shaft; and

a groove which engages a fixing pin provided in the drum shaft in a direction of intersecting the drum shaft,

wherein said the groove being extended extends in the radius radial direction and transmitting transmits a driving force of the drum shaft, and

wherein the <u>said</u> flange is caulked by bending a <u>at least one</u> part of the <u>said</u> cylinder inwardly in the <u>radius radial</u> direction at two positions located in a range of the <u>along said</u> outer peripheral portion between a <u>position in direction in</u> which the <u>said</u> groove <u>extends and a direction which forms an angle of 45° with intersects the outer peripheral portion in an extending direction thereof and a position in which <u>a direction along</u> a line passing a center of the <u>said</u> hole portion and extending at an angle of 45° with respect to the <u>extending</u> direction of the <u>in which said</u> groove <u>extends</u> intersects the outer peripheral portion, the two positions being opposed with <u>to</u> each other across a line intersecting the extending direction of the <u>said</u> groove.</u>

- 18. (Currently Amended) A process cartridge attachable to/detachable from an electrophotographic image forming apparatus, comprising:
  - (i) a cartridge frame body;

- (ii) a drum shaft supported by the said cartridge frame body;
- (iii) an electrophotographic photosensitive drum <u>rotatably</u> supported <del>rotatably</del> by the <u>said</u> drum shaft, including:

a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and

a flange provided on an end portion of said cylinder in the axial direction of the said cylinder, wherein said flange includes:

an outer peripheral portion;

a hole portion engaging the drum shaft; and

a groove which engages a fixing pin provided in said drum shaft in a direction intersecting said drum shaft,

wherein said groove extends in the radial direction and transmits a driving force of said drum shaft, and

wherein said flange is caulked by bending at least one part of said cylinder inwardly in the radial direction at two positions being located along said outer peripheral portion between a direction in which said groove extends and a direction which forms an angle of 45° with a direction along a line passing the center of said hole portion with respect to the direction in which said groove extends, the two positions being opposed to each other across a line intersecting the extending direction of said groove; and

(iv) process means for acting on the <u>said</u> electrophotographic photosensitive <u>drum</u>.

drum, wherein the flange includes: an outer peripheral portion; a hole portion engaging the drum shaft; and a groove which engages a fixing pin provided in the drum shaft in a direction of intersecting the drum shaft, the groove being extended in the radius direction

and transmitting a driving force of the drum shaft, and wherein the flange is caulked by bending a part of the cylinder inwardly in the radius direction at two positions being located in a range of the outer peripheral portion between a position in which the groove intersects the outer peripheral portion in an extending direction thereof and a position in which a line passing the center of the hole portion and extending at an angle of 45° with respect to the extending direction of the groove intersects the outer peripheral portion, the two positions being opposed with each other across a line intersecting the extending direction of the groove.

- 19. (Currently Amended) An image forming apparatus, comprising a loading portion, a process cartridge, carrying means, and transfer means, which allows a said process cartridge to be attached thereto and detached therefrom /detached and is for forming an image on a recording medium, comprising:
- (i) wherein said loading portion detachably mounts on which the said process cartridge is mounted detachably;
- (ii) a wherein said process cartridge is detachably loaded on the said loading portion, the said process cartridge including:
  - a cartridge frame body, body;
  - a drum shaft supported by the said cartridge frame body, body; and an electrophotographic photosensitive drum rotatably supported rotatably by

the said drum shaft, said electrophotographic photosensitive drum comprising:

a cylinder having an electrophotographic photosensitive member provided on the surface thereof; and

a flange provided on an end portion of said cylinder in an axial direction of said cylinder, wherein said flange comprises:

an outer peripheral portion;

a hole portion engaging said drum shaft; and

a groove extending in the radial direction and engaging a fixing pin provided in said drum shaft in a direction intersecting said drum shaft.

wherein said groove transmits a driving force of the drum shaft, and
wherein said flange is caulked by bending at least one part of said
cylinder inwardly in the radial direction at two positions located along said outer peripheral
portion between a direction in which said groove extends and a direction which forms an
angle of 45° with a direction along a line passing the center of said hole portion with
respect to the direction in which said groove extends, the two positions being opposed to
each other across a line intersecting the extending direction of said groove; and

process means for acting on the <u>said</u> electrophotographic photosensitive <u>drum</u>; drum, and the electrophotographic photosensitive drum having a cylinder having an electrophotographic photosensitive member provided on the surface thereof, and a flange provided on an end portion in an axial direction of the cylinder,

- (iii) wherein said carrying means for carrying carries the recording medium; and medium,
- (iv) wherein said transfer means transfers an image formed on said electrophotographic photosensitive drum onto the recording medium.

wherein the flange being comprises:

an outer peripheral portion;

a hole portion engaging the drum shaft; and

a groove extending in the radius direction and engaging a fixing pin provided in the drum shaft in a direction intersecting the drum shaft and the groove transmitting a driving force of the drum shaft,

and wherein the flange is caulked by bending part of the cylinder inwardly in the radius direction at two positions located in a range of the outer peripheral portion between a position in which the groove intersects the outer peripheral portion in an extending direction thereof and a position in which a line passing the center of the hole portion and extending at an angle of 45° with respect to the extending direction of the groove intersects the outer peripheral portion, the two positions being opposed with each other across a line intersecting the extending direction of the groove.